



City of Kansas City, Missouri Job Class Specification

Job Title: SENIOR REGISTERED ENGINEER **Department:** MULTI
Job Code: 2018 **Status:** EXEMPT **Grade:** ME-G

Summary

This is responsible administrative and supervisory professional engineering work as a group leader directing engineering activities involving the planning, design, development, construction, renovation, maintenance or operation of aviation, utilities, public works facilities and related projects.

Work involves administrative, supervisory, and technical responsibility of activities such as engineering design work in the planning and development of construction and/or renovation projects such as airports, bridges and roads, buildings, water and pollution control systems, air quality and solid waste programs and surface transportation systems. Frequent consultation with section heads, consultants, contractors and others concerned with specific projects is required in the design, review of plans and specifications, and inspection of construction work for compliance with prescribed engineering criteria. Assignments received in conference with a professional superior and employees of this class are expected to exercise judgment to resolve technical problems. Work is reviewed by a professional superior through observation, conferences and evaluation of written reports and plans for technical quality and adherence to department standards.

Duties and Responsibilities

- Serves as assistant to a section head of the division.
- Plans and supervises the work of registered engineers and other paraprofessional subordinates engaged in survey, design, construction, plan review and inspection of infrastructure projects.
- Supervises the preparation of contract documents and reviews completed plans, specifications, drawings and estimates.
- Confers with section heads and other departmental officials, consulting engineers, contractors and others as project needs require.
- Represents the section in matters with other governmental agencies, private firms and the general public in the absence of the section head.
- Assists in the preparation of budget estimates for the assigned section and assists in the development of departmental objectives, goals and programs.
- Reviews vouchers and supporting field data for partial payments for work completed.
- Prepares specifications for materials and products; performs research for satisfactory substitutes; investigates material(s) failure(s).
- Inspects construction work in progress for compliance with plans and specifications; authorizes changes as necessary; interprets plans and specifications for inspectors and contractors.
- Develops and implements training programs for new technical personnel.
- Maintains necessary records and prepares reports.
- Performs related duties as required.

Technical Skills

Thorough knowledge of:

- The principles and practices of engineering as applicable to departmental activities;
- applicable construction and maintenance methods, materials, and equipment;
- Federal and state regulations applicable to departmental activities.

Ability to:

- Plan, organize, direct, and coordinate the activities involved in accomplishing the overall objectives of the section; plan and supervise work of subordinates;
- Appraise proposed capital improvements in light of capital budget and federal, state, and other matching funds;
- Understand and evaluate highly complex technical records and reports requiring extensive knowledge of system operations;
- Provide effective leadership and to establish and maintain effective working relationships with subordinates, municipal officials, representatives of other agencies, and the general public;
- Plan, organize and direct extensive engineering programs;
- Express facts and ideas clearly and concisely, orally and in writing;
- Prepare specifications, materials and cost estimates for a variety of engineering projects;
- Adapt approved engineering methods and standards to the design and construction of a wide variety of projects; perform related technical research, prepare reports and give technical advice.

Education and Experience

Two (2) years progressively responsible experience as a registered engineer.

Certificates/ Licenses/Special Requirements

- Within six (6) months of hire date, must be registered as a professional engineer with Missouri Board for Professional Architects, Engineers and Land Surveyors.

Supervisory Responsibility

Exercises supervision over all assigned professional and paraprofessional personnel.

Supervision Received

Work is performed under general technical and administrative supervision.

Note: This job description should not be construed to imply that these requirements are the exclusive standards of the position. Incumbents will follow any other instructions, and perform any other related duties, as may be required. Reasonable accommodation will be provided to qualified individuals with disabilities. The City of Kansas City has the right to revise this job description at any time. The job description is not to be construed as a contract for employment.

Created

5/96

Revised

10/99, 9/04, 9/06, 4/11